

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

 ATTY. DOCKET NO.  
**52292-023**

 SERIAL NO.  
**09/731,048**
**RECEIVED**
 APPLICANT  
**Michael Paul WOLF, et al.**
**MAR 14 2001**
 FILING DATE  
**December 07, 2000**

 GROUP  
**3613**

TO 3600 MAIL ROOM

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>mu</i>	6,014,934	01/18/00	Pierson	105	26.05	11/04/98
	5,555,815	09/17/96	Young et al.	104	296	10/13/94
	5,251,856	10/12/93	Young et al.	246	4	02/11/92
	5,441,223	08/15/95	Young et al.	246	4	10/08/93
	5,749,547	05/12/98	Young et al.	246	4	08/11/95
	4,914,431	04/03/90	Severson et al.	340	825.690	04/13/87
	5,184,048	02/02/93	Severson et al.	318	280	02/14/90
	5,267,318	11/30/93	Severson et al.	381	51	09/26/90
	5,394,068	02/28/95	Severson et al.	318	280	02/02/93

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<i>mu</i>	1,436,814	05/26/76	London, England				
	2738820	03/15/79	Germany			X Abstract	
	2361538 ✓	06/12/75	Germany			X Abstract	
	7801499-0	09/10/79	Sweden			X Abstract	
	2425427 ✓	12/04/75	Germany			X Abstract	
	3309662 A1 ✓	09/27/84	Germany			X	
	2,014,770 A	08/30/79	United Kingdom				

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>mu</i>	"Is Astrac on the right track?", Linn H. Westcott, December 1963, pp. 10-11 and 33-37.
	"Lionel "E-Units", pp. 231-234.
	"Introducing the CTC-16: A 16-channel command control system you can build", Keith Gutierrez, Part 1, MODEL RAILROADER, December 1979, PP. 64-67.
	"The CTC-16: A command control system you can build", Keith Gutierrez, Part 2, MODEL RAILROADER, January 1980, pp. 86-93.
	CTC-16: A command control system you can build", Keith Gutierrez, Part 3, MODEL RAILROADER, February 1980, pp. 89-92.
	"The CTC-16: A command control system you can build", Keith Gutierrez, Part 4, MODEL RAILROADER, March 1980, pp. 89-93.

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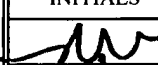
**Michael Paul WOLF, et al.****MAR 14 2001**

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**3613****TO 3600 MAIL ROOM****U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,448,142	09/05/95	Severson et al.	318	280	09/27/93
	5,492,290	02/20/96	Quinn et al.	246	219	10/28/94
	5,590,856	01/07/97	Quinn et al.	246	219	06/07/95
	5,633,985	05/27/97	Severson et al.	395	2.76	05/31/95
	5,773,939	06/30/98	Severson et al.	318	51	06/07/95
	5,832,431	11/03/98	Severson et al.	704	258	11/30/93
	5,896,017	04/20/99	Severson et al.	312	280	06/07/95
	5,940,005	08/17/99	Severson et al.	340	825.52	05/15/95
	2,247,418	07/01/41	W.R. Smith	246	31	04/21/39
	2,882,834	04/21/59	W.R. Smith	104	150	05/03/56
	3,839,822	10/08/74	Rexford	46	232	05/23/73
	4,270,226	05/26/81	Weintraub et al.	455	353	03/19/79
	4,325,199	04/20/82	McEdwards	46	232	10/14/80
	4,481,661	11/06/84	Spector	381	61	09/21/82
	4,933,980	06/12/90	Thompson	381	61	05/01/89

**FOREIGN PATENT DOCUMENTS**

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**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

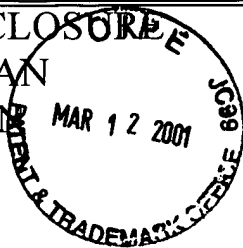
	"CTC-16: A command control system you can build", Keith Gutierrez, Part 5, MODEL RAILROADER, April 1980, pp. 71-77.
	"The CTC-16: Epilogue", Richard C. Kamm et al., MODEL RAILROADER, December 1980, pp. 132-136 (pp. 54-55 from March 1991).
	"Build the wireless throttle: 1", Keith Gutierrez, March 1983, MODEL RAILROADER, pp. 86-95.
	"Build the wirelss throttle: 2", Keith Gutierrez, April 1983, MODEL RAILROADER, PP. 68-75.

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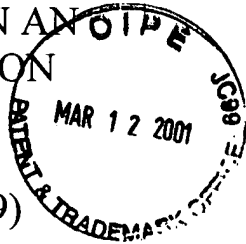
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>[Signature]</i>	4,964,837	10/23/90	Collier	446	409	02/16/89
	4,711,418	12/08/87	Aver, Jr. et al.	246	5	04/08/86
	4,723,737	02/09/88	Mimoun	246	2 S	10/17/85
	5,146,153	09/08/92	Luchaco et al.	323	324	11/01/89
	5,174,216	12/29/92	Miller et al.	104	296	03/13/91
	3,664,060	05/23/72	Longnecker	46	232	03/08/71
	4,247,107	01/27/81	Smith, III et al.	273	86 B	01/19/79
	5,024,626	06/18/91	Robbins et al.	446	409	02/01/91
	5,061,905	10/29/91	Truchsess	331	47	11/16/90
	5,088,955	02/18/92	Ishimoto	446	409	03/12/91
	4,572,996	02/25/86	Hanschke et al.	318	341	04/19/84
	2,221,963	11/19/40	N.L. Case et al.	104	151	06/10/37
	3,293,549	12/20/66	H.W. Patterson	325	64	09/23/63
	3,315,613	04/25/67	D. J. Leslie	104	151	07/22/63
	3,639,755	02/01/72	Wrege	246	187 B	01/02/70
	3,699,522	10/17/72	Haner, Jr.	340	171 R	09/20/66
	3,964,701	06/22/76	Kacerek	246	2 F	05/27/75

**FOREIGN PATENT DOCUMENTS**



EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>[Signature]</i>	"Commercial Command Control Systems", Andy Sperandeo, MODEL RAILROADER, November 1979, pp. 80-81.
	"µP-programmable speed controller for model railways", W. Pussel, elektor, July/August 1979, pp. 7-84 - 7-85.
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <b>12/5/01</b>

<b>INFORMATION DISCLOSURE</b> <b>CITATION IN AN INFORMATION</b> <b>APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>52292-023</b>		SERIAL NO. <b>09/731,048</b>	
				APPLICANT <b>Michael Paul WOLF, et al.</b>		<b>MAR 14 2001</b>	
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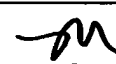


  

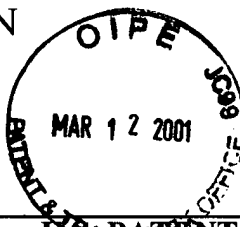
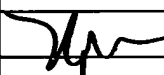


U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
 	3,994,237	11/30/76	Thomsen	104	149	10/06/75
	4,335,381	06/15/82	Palmer	340	825.21	08/14/79
	4,349,196	09/14/82	Smith, III et al.	273	1 GC	02/08/80
	4,390,877	06/28/83	Curran	340	825.72	07/31/80
	5,012,236	04/30/91	Troyk et al.	340	825.54	05/26/89
	3,555,270	01/12/71	E. Persson	246	194	04/22/68
	3,736,484	05/29/73	Reynolds et al.	318	587	09/27/71
	5,050,505	09/24/91	Konno	104	295	07/31/89
	5,085,148	02/04/92	Konno	104	130	05/17/90
	5,263,670	11/23/93	Colbaugh et al.	246	63 R	02/13/92
	2,606,281	08/05/52	L. R. Thomas et al.	246	29	03/03/48
	2,622,542	12/23/52	J. L. Bonanno	104	150	10/11/47
	2,830,148	04/08/58	J. F. Barger	200	87	06/01/54
	2,963,985	12/13/60	M. Palmer et al.	104	151	07/01/57

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

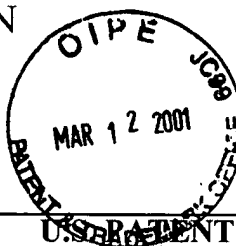
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
 	"The Digital Model Train - Part 1", T. Wigmore, Elektor Electronics, February 1989, pp. 42-46.
	"The Digital Model Train - Part 2", T. Wigmore, Elektor Electronics, March 1989, pp. 50-53.
	"The Digital Model Train - Part 3", T. Wigmore, Elektor Electronics, April 1989, pp. 14-18.
	"The Digital Model Train - Part 4", T. Wigmore, Elektor Electronics, May 1989, pp. 16-17.
	"The Digital Model Train - Part 5", T. Wigmore, Elektor Electronics, July/August 1989, pp. 56-59.
	"The Digital Model Train - Part 6", T. Wigmore, Elektor Electronics, September 1989, pp. 44-47.
	"The Digital Model Train - Part 7", T. Wigmore, Elektor Electronics, October 1989, pp. 21-24.
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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	3,220,356	11/30/65	D. J. Leslie	104	151	12/03/62	
	3,529,216	09/15/70	E. A. Kolm et al.	317	147	06/29/67	
	3,587,100	06/22/71	Sparta et al.	343	225	08/15/68	
	4,207,569	06/10/80	Meyer	343	6.5 R	08/14/78	
	3,810,099	05/07/74	Woods	340	171 R	10/26/72	
	4,334,221	06/08/82	Rosenhagen et al.	340	825.72	10/22/79	
	1,766,329	06/24/30	L. Caruso			07/20/26	
	1,887,988	11/15/32	Earl D. Boisselier			06/17/32	
	1,982,692	12/04/34	Donald H. Queeney	104	151	05/23/29	
	1,997,748	04/16/35	L. W. Rosenthal	104	151	11/30/32	
	2,013,947	09/10/35	E. D. Boisselier	104	151	03/9/34	
	2,077,163	04/13/37	W. T. Bailey	104	149	06/11/36	
<b>FOREIGN PATENT DOCUMENTS</b>							
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						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	"The Digital Model Train - Part 8", T. Wigmore, Elektor Electronics, November 1989, pp. 32-36.						
	"The Digital Model Train Part 9: Keyboards", T. Wigmore, Elektor Electronics, December 1989, pp. 24-28.						
	"The Digital Model Train Part 10 - RS232 Interface", T. Wigmore, Elektor Electronics, January 1990, pp. 38-43.						
	"The Digital Model Train Part 11 - The Monitor Unit", T. Wigmore, Elektor Electronics, February 1990, pp. 53-55.						
	"The Digital Model Train Part 12 - Address Display", T. Wigmore, Elektor Electronics, March 1990, pp. 52-54.						
	"The Digital Model Train Concluding Part", T. Wigmore, Elektor Electronics, pp. 24-26.						
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<i>u</i>	2,257,473	09/30/41	E. E. McKeige et al.	104	150	04/15/38
	2,826,996	03/18/58	W. R. Smith	104	150	06/16/53
	2,830,148	04/08/58	J. F. Barger	200	87	06/01/54
	2,963,985	12/13/60	M. Palmer et al.	104	151	07/01/57
	3,211,111	10/12/65	W. J. Morley	104	149	08/24/60
	3,220,356	11/30/65	D. J. Leslie	104	151	12/03/62
	3,315,613	04/25/67	D. J. Leslie	104	151	07/22/63
	3,363,109	01/09/68	J. R. Wilhelm	307	12	01/23/63
	3,400,488	09/10/68	R. J. Phillpott et al.	46	244	04/04/66
	3,425,156	02/04/69	Harry W. Field	46	232	10/21/65
	3,553,450	01/05/71	Max Ernst	246	32	07/23/68
	3,587,100	06/22/71	Doremus et al.	343	225	08/15/68
	3,705,387	12/05/72	Stern et al.	340	171 A	01/11/71
	3,955,129	05/04/76	Wagner et al.	318	55	01/21/74
	3,964,701	06/22/76	Kacarek	246	2 F	05/27/75
	3,994,237	11/30/76	Thomsen	104	149	10/06/75
	4,010,409	03/01/77	Waites	318	587	07/31/73
	4,085,356	04/18/78	Meinema	318	331	12/08/75

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>u</i>	"Please Climb Aboard!", marklin Digital Ho, 1985/86 E, pp. 1-16.
	"Everything is Digital", marklin Digital, 1988/1989 E, pp. 1-8.
	"100 Years of Model Railroading", marklin, New Items 1991, pp. 1-32.
	"Everything operates digitally", marklin, 1990/91 E, pp. 1-15.

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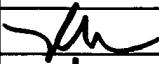
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	4,204,200	05/20/80	Beyl, Jr.	340	384 E	10/11/78
	4,219,962	09/02/80	Dankman et al.	46	232	08/28/78
	4,334,221	06/08/82	Rosenhagen et al.	340	825.72	10/22/79
	4,335,381	06/15/82	Palmer	340	825.21	08/14/79
	4,349,196	09/14/82	Smith, III et al.	273	1 GC	02/08/80
	4,390,877	06/28/83	Curran	340	825.72	07/31/80
	4,572,996	02/25/86	Hanschke et al.	318	341	04/19/84
	4,620,280	10/28/86	Conklin	364	426	07/29/83
	4,747,351	05/31/88	Baret	104	297	12/18/85
	4,914,368	04/03/90	Orton	318	663	09/30/88
	4,929,949	05/29/90	Yamamoto et al.	341	176	04/22/88
	4,964,837	10/23/90	Collier	446	409	02/16/89
	5,045,016	09/03/91	Stern et al.	446	409	07/25/90
	5,085,148	02/04/92	Konno	104	130	05/17/90
	5,085,610	02/04/92	Engel et al.	446	175	05/16/91
	5,146,153	09/08/92	Luchaco et al.	323	324	11/01/89
	5,241,487	08/31/93	Bianco	364	569	10/03/90
	5,297,484	03/29/94	Piserchia et al.	105	1.5	07/03/91
	5,306,197	04/26/94	Watanabe	446	409	08/28/91
	5,061,905	10/29/91	Truchsess	331	47	11/16/90
	4,613,103	09/23/86	Waranowitz	246	473 A	09/28/82

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